



How to change rear
shock absorbers on
Toyota Prado J120 –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 4.0, TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 3.0 D, TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 3.0 D-4D, TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 3.4, TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 4.0 (GRJ12), TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 2.7, TOYOTA LAND CRUISER (KDJ12_, GRJ12_) 4.0 V6 VVT-i (GRJ125)

The steps may slightly vary depending on the car design.

**REPLACEMENT: SHOCK ABSORBERS – TOYOTA PRADO
J120. TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Multipurpose grease
- Combination spanner #12
- Combination spanner #17
- Drive socket # 17
- Wheel impact socket #21
- Torque wrench
- Tap wrench
- Locking pliers
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – Toyota Prado J120. Professionals recommend:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – TOYOTA PRADO J120. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #21.

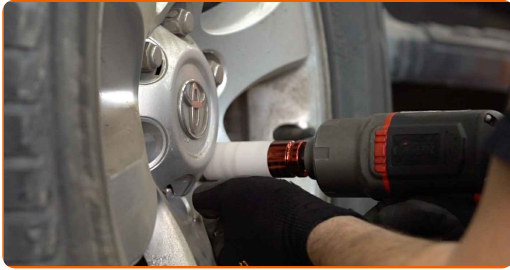


3 Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: shock absorbers – Toyota Prado J120. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.



6

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.

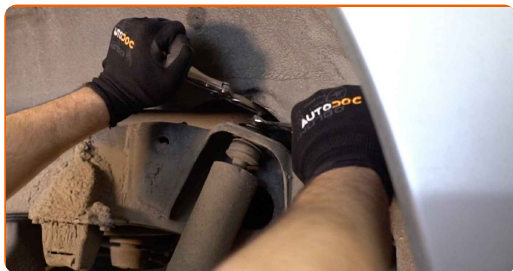


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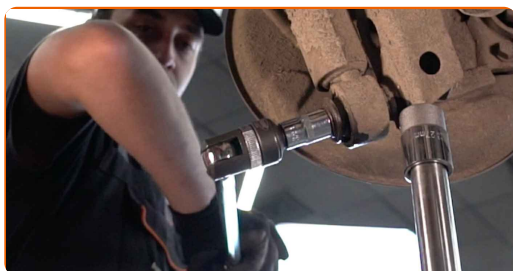
Support the rear suspension beam. Use a hydraulic transmission jack.



8 Unscrew the upper fastener of the shock absorber. Use a combination spanner #17. Use locking pliers.



9 Unscrew the lower fastener of the shock absorber. Use a drive socket #17. Use a tap wrench.



AUTODOC recommends:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

10 Remove the fastening bolt.



11 Remove the shock absorber. Use a crowbar.



12

Treat the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



Replacement: shock absorbers – Toyota Prado J120. AUTODOC experts recommend:

- Before installing a new shock absorber you should pump it manually 3-5 times.

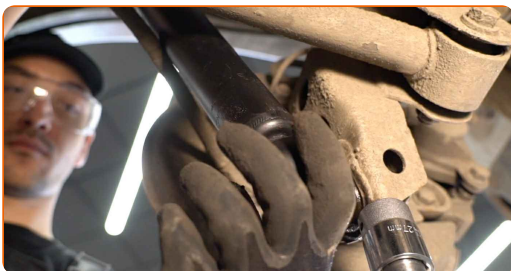
13

Treat the shock absorber fasteners. Use a multipurpose grease.



14

Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. Toyota Prado J120

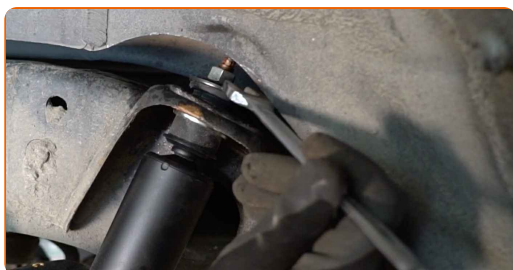
15 Install the fastening bolt.



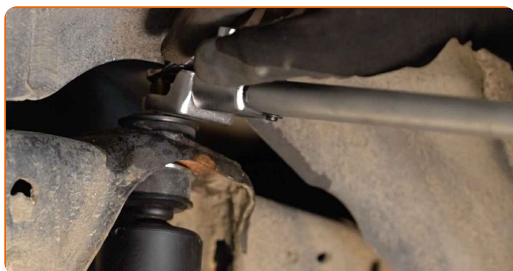
16 Screw in the lower fastener of the shock absorber. Use a drive socket #17.



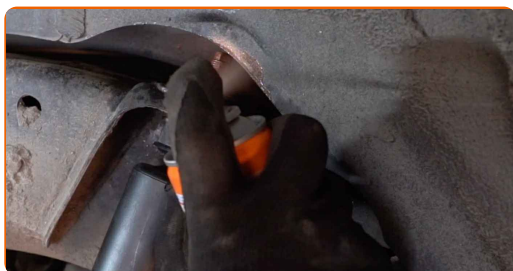
17 Screw the upper fastener of the shock absorber. Use a combination spanner #17.



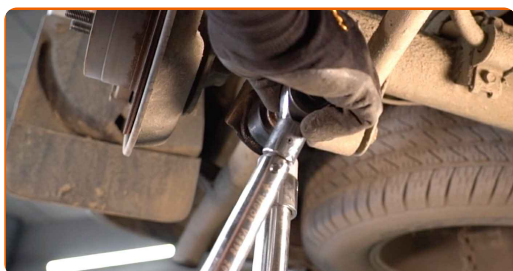
18 Tighten the top shock absorber fastening. Use a combination spanner #12. Use a combination spanner #17. Use a torque wrench. Tighten it to 40 Nm torque.



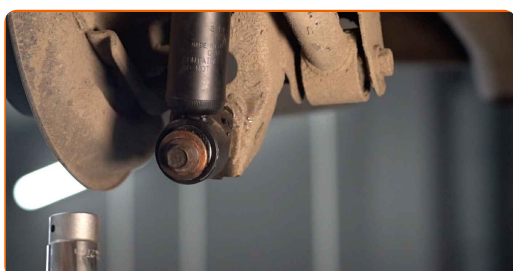
19 Treat the shock absorber fasteners. Use copper grease.



- 20** Tighten the lower fastener of the shock absorber. Use a drive socket #17. Use a torque wrench. Tighten it to 98 Nm torque.



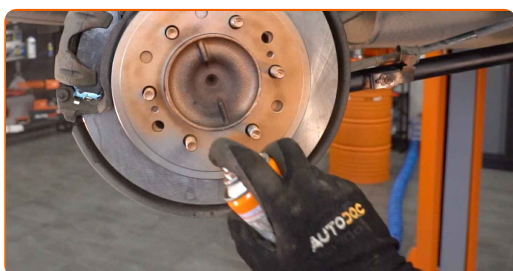
- 21** Remove the mounting from under the rear axle beam.



AUTODOC recommends:

- Replacement: shock absorbers – Toyota Prado J120. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 22** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



23

Clean the brake disk surface. Use a brake cleaner.

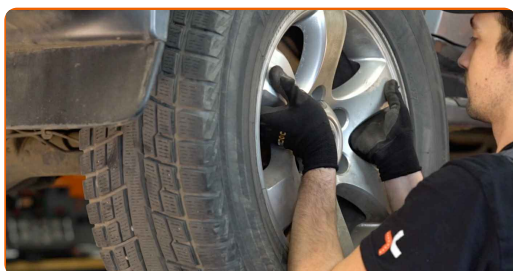


AUTODOC recommends:

- Replacement: shock absorbers – Toyota Prado J120. After applying the spray, wait a few minutes.

24

Install the wheel.



Replacement: shock absorbers – Toyota Prado J120. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

25

Screw in the wheel bolts. Use wheel impact socket #21.



- 26** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 nm torque.



- 27** Remove the jacks and chocks.



WELL DONE! 

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